

Appl. No.

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medicament; and

C1  
administering a therapeutically effective amount of said aerosolized medicament to at least a portion of the pulmonary passages of a patient in need thereof.

Please cancel claims 3 - 5.

2/ 38. The method of claim [5] 2 wherein the mean aerodynamic diameter of the perforated microstructures is between 0.5 and 5  $\mu\text{m}$ .

3/ 39. The method of claim [5] 2 wherein said perforated microstructures comprise a surfactant.

Sub  
C2  
39. (Once amended) An inhalation system for the pulmonary administration of a bioactive agent to a patient comprising:

a fluid reservoir;

a stable respiratory dispersion in said fluid reservoir wherein said stabilized dispersion comprises a fluorochemical continuous phase and a plurality of perforated microstructures comprising at least one bioactive agent suspended in and substantially permeated by the continuous phase wherein more than 30% of the average particle volume of the perforated microstructures is permeated by said suspension medium; and

a nebulizer operably associated with said fluid reservoir wherein the nebulizer is capable of aerosolizing and discharging the stable respiratory dispersion.

Please cancel claims 40 - 42.

1042/ 40. The system of claim [42] 39 wherein said perforated microstructures comprise a surfactant.

H 41. The system of claim [42] 39 wherein the mean aerodynamic diameter of the perforated microstructures is between 0.5 and 5  $\mu\text{m}$ .

15/ 42. (Once amended) The system of claim 39 wherein said bioactive agent is selected from the group

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C3  
C4  
consisting of antiallergics, bronchodilators, pulmonary lung surfactants, analgesics, antibiotics, antiinfectives, leukotriene inhibitors or antagonists, antihistamine, antiinflammatories, antineoplastics, anticholinergics, anesthetics, anti-tuberculars, imaging agents, cardiovascular agents, enzymes, steroids, genetic material, viral vectors, antisense agents, proteins, peptides, and combinations thereof.

Please add the following new claims:

19-52. The system of claim 39 wherein the respiratory dispersion comprises a creaming time of greater than 1 minute.

20-53. The system of claim 39 wherein the respiratory dispersion comprises a creaming time of greater than 30 minutes.

21-54. The system of claim 39 wherein the perforated microstructures comprise a geometric diameter of 1-30  $\mu\text{m}$ .

22-55. The system of claim 45 wherein the bioactive agent is an antiinfective selected from the group consisting of cephalosporins, macrolides, quinolones, penicillins, streptomycin, sulphonamides, tetracyclines, and pentamidine. --